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RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _10/075,028A_

Source: _/600_

Date Processed by STIC: _5/1/2003_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO **REDUCE** ERRORED SEQUENCE LISTINGS, **PLEASE** USE THE **CHECKER VERSION 4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
http://www.uspto.gov/web/offices/pac/checker

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (**<http://www.uspto.gov/ebc/efs/downloads/documents.htm>** , **EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry directly to:**
   U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
   Or
   U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
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Revised 04/24/2003

1600

RAW SEQUENCE LISTING   DATE: 05/01/2003
PATENT APPLICATION: US/10/075,028A   TIME: 13:26:21

Input Set : A:\10075028sequencelisting.txt
Output Set: N:\CRF4\05012003\J075028A.raw

```
  4 <110> APPLICANT: Mitchell, Lloyd G.
  5        Garcia-Blanco, Mariano A.
  6        Puttaraju, Madaiah
  8 <120> TITLE OF INVENTION: Methods and Compositions for use in
  9        Spliceosome Mediated RNA Trans-splicing
 12 <130> FILE REFERENCE: A34759 069906.0102
 14 <140> CURRENT APPLICATION NUMBER: 10/075,028A
 15 <141> CURRENT FILING DATE: 2002-02-12
 17 <160> NUMBER OF SEQ ID NOS: 19
 19 <170> SOFTWARE: FastSEQ for Windows Version 4.0         Does Not Comply
 21 <210> SEQ ID NO: 1                               Corrected Diskette Needed
 22 <211> LENGTH: 8
 23 <212> TYPE: RNA
 24 <213> ORGANISM: Artificial Sequence
 26 <220> FEATURE:
 27 <223> OTHER INFORMATION: 5' splice site consensus sequence
 29 <400> SEQUENCE: 1
 30 agguragu                                                8
 32 <210> SEQ ID NO: 2
 33 <211> LENGTH: 7
 34 <212> TYPE: RNA
 35 <213> ORGANISM: Artificial Sequence
 37 <220> FEATURE:
 38 <223> OTHER INFORMATION: Branch point consensus sequence
 40 <221> NAME/KEY: unsure
 41 <222> LOCATION: 2
 42 <223> OTHER INFORMATION: A, C, G, T or U
 44 <400> 2
 45 ynyurac                                                 7
 47 <210> SEQ ID NO: 3
 48 <211> LENGTH: 7
 49 <212> TYPE: PRT
 50 <213> ORGANISM: Artificial Sequence
 52 <220> FEATURE:
 53 <223> OTHER INFORMATION: FLAG peptide
 55 <400> SEQUENCE: 3
 56 Asp Tyr Lys Asp Asp Asp Lys
 57  1               5
 60 <210> SEQ ID NO: 4
 61 <211> LENGTH: 23
 62 <212> TYPE: DNA
 63 <213> ORGANISM: Artificial Sequence
 65 <220> FEATURE:
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W--> 40 <221> NAME/KEY: unsure
W--> 44 <400> 2
W--> 45 ynyurac

+ is not permitted in an RNA sequence

(T) circled at line 42

```
                    RAW SEQUENCE LISTING              DATE: 05/01/2003
                    PATENT APPLICATION:  US/10/075,028A    TIME: 13:26:21

                    Input Set : A:\10075028sequencelisting.txt
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     66 <223> OTHER INFORMATION: T7 polymerase promoter sequence
     68 <400> SEQUENCE: 4
     69 taatacgact cactataggg aga                                   23
     71 <210> SEQ ID NO: 5
     72 <211> LENGTH: 23
     73 <212> TYPE: DNA
     74 <213> ORGANISM: Artificial Sequence
     76 <220> FEATURE:
     77 <223> OTHER INFORMATION: SP6 polymerase promoter
W--> 79 <221> NAME/KEY: unsure
     80 <222> LOCATION: 22
     81 <223> OTHER INFORMATION: A, C, G or T
W--> 83 <400> 5
W--> 84 atttaggtga cactatagaa gng                                   23
     86 <210> SEQ ID NO: 6
     87 <211> LENGTH: 23
     88 <212> TYPE: DNA
     89 <213> ORGANISM: Artificial Sequence
     91 <220> FEATURE:
     92 <223> OTHER INFORMATION: T3 polymerase promoter sequence
     94 <400> SEQUENCE: 6
     95 aattaaccct cactaaaggg aga                                   23
     97 <210> SEQ ID NO: 7
     98 <211> LENGTH: 31
     99 <212> TYPE: DNA
    100 <213> ORGANISM: Artificial Sequence
    102 <220> FEATURE:
    103 <223> OTHER INFORMATION: Oligonucleotide primer
    105 <400> SEQUENCE: 7
    106 ctaggcggcc gcctgctggt gttttgcttc c                          31
    108 <210> SEQ ID NO: 8
    109 <211> LENGTH: 21
    110 <212> TYPE: DNA
    111 <213> ORGANISM: Artificial Sequence
    113 <220> FEATURE:
    114 <223> OTHER INFORMATION: Oligonucleotide primer
    116 <400> SEQUENCE: 8
    117 gtttcgctaa atactggcag g                                     21
    119 <210> SEQ ID NO: 9
    120 <211> LENGTH: 31
    121 <212> TYPE: DNA
    122 <213> ORGANISM: Artificial Sequence
    124 <220> FEATURE:
    125 <223> OTHER INFORMATION: Oligonucleotide primer
    127 <400> SEQUENCE: 9
    128 ctaggcggcc gcctgctggt gttttgcttc c                          31
    130 <210> SEQ ID NO: 10
    131 <211> LENGTH: 19
    132 <212> TYPE: DNA
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RAW SEQUENCE LISTING   DATE: 05/01/2003
PATENT APPLICATION: US/10/075,028A   TIME: 13:26:21

        Input Set : A:\10075028sequencelisting.txt
        Output Set: N:\CRF4\05012003\J075028A.raw

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133 <213> ORGANISM: Artificial Sequence
135 <220> FEATURE:
136 <223> OTHER INFORMATION: Oligonucleotide primer
138 <400> SEQUENCE: 10
139 ctggcaggcg tttcgtcag                                        19
141 <210> SEQ ID NO: 11
142 <211> LENGTH: 27
143 <212> TYPE: DNA
144 <213> ORGANISM: Artificial Sequence
146 <220> FEATURE:
147 <223> OTHER INFORMATION: 3' Splice site of PTM7
149 <400> SEQUENCE: 11
150 cagggcggct tcgtctggga ctgggtg                               27
152 <210> SEQ ID NO: 12
153 <211> LENGTH: 8
154 <212> TYPE: DNA
155 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: 5' Splice site of PTM7
160 <400> SEQUENCE: 12
161 cggtaagt                                                     8
163 <210> SEQ ID NO: 13
164 <211> LENGTH: 120.
165 <212> TYPE: DNA
166 <213> ORGANISM: Artificial Sequence
168 <220> FEATURE:
169 <223> OTHER INFORMATION: First binding domain of PTM7
171 <400> SEQUENCE: 13
172 gattcacttg ctccaattat catcctaagc agaagtgtat attcttattt gtaaagattc 60
173 tattaactca tttgattcaa aatatttaaa atacttcctg tttcatactc tgctatgcac 120
176 <210> SEQ ID NO: 14
177 <211> LENGTH: 24
178 <212> TYPE: DNA
179 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Spacer sequences of PTM7
184 <400> SEQUENCE: 14
185 aacattatta taacgttgct cgaa                                  24
187 <210> SEQ ID NO: 15
188 <211> LENGTH: 62
189 <212> TYPE: DNA
190 <213> ORGANISM: Artificial Sequence
192 <220> FEATURE:
193 <223> OTHER INFORMATION: Branch point, polypyrimidine tract and acceptor
194       splice sites of PTM7
196 <400> SEQUENCE: 15
197 tactaactgg tacctcttct ttttttttg atatcctgca gggcggcttc gtctgggact 60
198 gg                                                           62
200 <210> SEQ ID NO: 16
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RAW SEQUENCE LISTING   DATE: 05/01/2003
PATENT APPLICATION: US/10/075,028A   TIME: 13:26:21

Input Set : A:\10075028sequencelisting.txt
Output Set: N:\CRF4\05012003\J075028A.raw

```
201 <211> LENGTH: 70
202 <212> TYPE: DNA
203 <213> ORGANISM: Artificial Sequence
205 <220> FEATURE:
206 <223> OTHER INFORMATION: 5' donor site and second spacer sequences
208 <400> SEQUENCE: 16
209 tgaacggtaa gtgttatcac cgatatgtgt ctaacctgat tcgggccttc gatacgctaa 60
210 gatccaccgg                                                        70
212 <210> SEQ ID NO: 17
213 <211> LENGTH: 260
214 <212> TYPE: DNA
215 <213> ORGANISM: Artificial Sequence
217 <220> FEATURE:
218 <223> OTHER INFORMATION: Second binding domain of PTM7
220 <400> SEQUENCE: 17
221 tcaaaaagtt ttcacataat ttcttacctc ttcttgaatt catgctttga tgacgcttct 60
222 gtatctatat tcatcattgg aaacaccaat gatttttctt taatggtgcc tggcataatc 120
223 ctggaaaact gataacacaa tgaaattctt ccactgtgct taaaaaaacc ctcttgaatt 180
224 ctccatttct cccataatca tcattacaac tgaactctgg aaataaaacc catcattatt 240
225 aactcattat caaatcacgc                                            260
227 <210> SEQ ID NO: 18
228 <211> LENGTH: 32
229 <212> TYPE: DNA
230 <213> ORGANISM: Artificial Sequence
232 <220> FEATURE:
233 <223> OTHER INFORMATION: First trans-splicing junction synthetic PTM
235 <400> SEQUENCE: 18
236 ccgtttacag ggcggcttcg tctgggactg gg                               32
238 <210> SEQ ID NO: 19
239 <211> LENGTH: 29
240 <212> TYPE: DNA
241 <213> ORGANISM: Artificial Sequence
243 <220> FEATURE:
244 <223> OTHER INFORMATION: Second trans-splicing junction synthetic PTM
246 <400> SEQUENCE: 19
247 tctgtatgaa cggtctggtc tttgccgac                                   29
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 05/01/2003
PATENT APPLICATION: US/10/075,028A   TIME: 13:26:22

Input Set : **A:\10075028sequencelisting.txt**
Output Set: **N:\CRF4\05012003\J075028A.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; N Pos. 2
Seq#:5; N Pos. 22